

ABSTRACT OF THE DISCLOSURE

The present invention provides master and production tools and method for making these tools. The master tool includes a plurality of three-dimensional shapes upraised from a major surface of the master tool. Each of the shapes is defined by a distinct and discernible boundary including specific dimensions, wherein not all said three-dimensional shapes are identical. The master tool of the present invention can be used to form a production tool containing a plurality of three-dimensional-shaped cavities. The production tool can be used in the manufacture of abrasive articles to shape an abrasive slurry into an array of three-dimensional shaped abrasive composites.

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